



Hurricane Irma/Hurricane Maria 2017 9/29/2017 – 1030 EDT Update

EXECUTIVE SUMMARY

- CEPD – All CEPD personnel are accounted for and safe. Thanks to the CID/NCERT agents that assisted CEPD locate our EPA employees.
- The CEPD Guaynabo office building is running on generator power. Data and voice services and cell phone service is operating. The office will officially open on Monday, 10/2.
- The CEPD office in St. Thomas, USVI has been assessed and in the same condition post Hurricane Irma. EPA will follow up with GSA on the cleaning and air monitoring from the damage done by Irma.
- The CEPD office in Vieques, PR sustained minimal damage; it has generator power (though fuel supply is limited), but no water service. The STT and Vieques offices remain officially closed until further notice.
- **Health and Safety.** SSD and FOH just added the Typhoid vaccine to our list of vaccines required for PR and USVI on 9/28. Safety Officer has added this requirement to the pre-deployment H&S matrix. We will deliver this new H&S matrix to the other Regions and Special Teams. SSD is working with FOH to get the health clinic work orders in place and the typhoid vaccine ordered for their clinics in the regions. This requirement was a recommendation from CDC and confirmed by OSHA.
- On 9/28, all EPA personnel waiting to deploy in Atlanta were boarded on a flight destined for St. Croix, USVI. They arrived safely in St. Croix.
- We will keep pursuing FEMA, U.S. Coast Guard, and commercial flights. We will continue to move personnel into the USVI and PR. Lodging on PR and USVI remains a challenge. We will continue to pursue berthing space on the various FEMA supported vessels arriving in PR and the USVI and commercial sources.
 - Puerto Rico: **120 people** (50 people on 9/30 + 50 people on 10/1 + 20 people on 10/7).
 - St Croix: **68 people** (34 people on 9/30 + 34 people on 10/2)
 - St Thomas: **68 people** (34 people on 10/1 + 34 people on 10/2)
- Other Significant Concurrent Events.

- New York City Marathon, 11/5/17, New York, NY
- Macy's Thanksgiving Day Parade, 11/24-25/17, New York, NY

PUERTO RICO / U.S. VIRGIN ISLANDS CONDITIONS

US Virgin Islands (USVI):

- State of Emergency declared; National Guard activated.
- St. Thomas and St. John: curfew is 6pm -9am. On 9/27 the curfew changed in St Croix to 6 PM. to 11 AM.
- Power Outages:
 - St. Thomas: 19,574 (99%)
 - St. John: 2,893 (100%)
 - St. Croix: 25,274 (90%)
- Public schools planning to open 10/9.
- The Governor Juan F. Luis Hospital in St. Croix and the Schneider Regional Medical Center Emergency Room in St. Thomas were re-energized and re-established as mobile hospitals over the weekend by HHS and Department of Defense (DoD).
- St. Thomas 47.3% cell sites out of service. St. John 66.7% and St. Croix 76.2% or less of cell sites out of service.
- Airports: St. Thomas limited commercial aircraft. St. Croix: Open for response and recovery operations only. Commercial flights expected to resume on 10/5.
- Ports:
 - St. Thomas Open with restrictions: East Gregerie Channel, West Gregerie Channel, Crown Bay, Redhook
 - St. John Open with restrictions: Cruz Bay
 - St. Croix Open with restrictions: Krause Lagoon; Limetree Bay; Frederiksted
 - All other ports closed

Puerto Rico (PR):

- State of Emergency remains in effect; National Guard activated.
- Curfew in Puerto Rico is 9 PM to 5 AM.
- **Airports:** San Juan International Airport (SJU) operating limited domestic flights; various systems have been brought back online (surveillance, air-ground

communications, etc.) increasing Instrument Flight Rules (IFR) output from 3 flights per hour early this week to 28 IFR flights per hour 9/27. Replacement generator for San Juan Combined Center/Radar Approach Control arrived early morning September 29

- **Ports.** Open: Guayanilla, Salinas, Tallaboa Open with restrictions: San Juan, Fajardo, Vieques, and Culebra, Guayama All other ports closed
- **Public Transportation** – Bus service will initiate at limited locations and routes throughout the San Juan Metropolitan Area. Uber initiated operations in the metropolitan area giving free transport service until Sunday.
- 10,523 residents currently living on government shelters
- **PREPA** – US Department of Energy daily report establishes that 4% of PREPA clients have reestablished service. Palo Seco and San Juan Power Plants are operating. A number of hospitals in San Juan, as well as parts of the Luis Munoz Marin Airport, have been re-energized. PRAFFAF rejected the offer of PREPA's bondholders of a \$1 billion special loan to reestablish the electrical service in the island.
- **PRASA** – According to PRASA, 45% of clients have access to drinking water. Department of Health continues to communicate water boil advisory. PRASA's main challenge to provide drinking water is access to diesel to energize pumping station.
- **Communications.** Approximately 71.5% of telecommunications service still disrupted. Service was reestablished in San Juan, Fajardo, Ceiba, Caguas, and Mayaguez. Currently, 96 of 1,619 telecommunications towers are operational.

PUBLIC AFFAIRS

The PIO is Elias Rodriguez, who can be reached at 212-637-3664. The Assistant PIOs are Tayler Covington, who can be reached at 212-637-3662 and Pat Seppi, who can be reached at 646-369-0068. All press inquiries are being managed through the Office of Public Affairs.

OPA issued a Maria update news release on September 28, 2017: "[EPA Hurricane Maria Update for Thursday, September 28](#)". OPA issued a news release on September 27 "EPA Exercises Enforcement Discretion for Mobile Power Generators Imported for Use in Puerto Rico and the U.S. Virgin Islands". We continue to provide all Region 2 staff with relevant Maria news clips and EPA news releases.

The response web site www.epa.gov/hurricane-maria is being updated daily by the HQ EOC and Region 2 PIO.

Community Involvement: The PIO and PAD management have identified PIOs, bi-lingual Community Involvement Coordinators and community relations support for the USVI and Puerto Rico assessment and cleanup teams. A PIO is planning to deploy to Puerto Rico on

Monday, October 2. We are continuing to identify personnel and options for deployment of additional CICs and PIOs through October to support ground and REOC operations.

Region 2 – Hurricane Irma Management Objectives

- Protect the health and safety of EPA employees.
- Implement a re-position plan to address communications schedules, employee location information, rallying points, and a cellular and satellite communication plan.
- Coordinate with FEMA on the re-position and remobilization of EPA responders.
- Implement a re-mobilization plan.
- Minimize social, political, and economic adverse impacts.
- Maintain communication and briefing schedule with R2 senior executives and EPA Headquarters. Support a consistent communications approach agency-wide, enabling EPA to act and speak in unison during these incidents.
- Provide situation reports and other information on schedule provided by RIC.
- Provide guidance for length of work day and deployments as it pertains to this specific event.
- Coordinate logistics with deployed personnel to provide transportation options, lodging, security, ground transportation on site.
- Identify clearly defined roles for both Regions and Headquarters.
- Identify long-term recovery objectives the Agency may be requested to support, and determine resources needed to support/sustain those requests to accomplish the objectives.
- Secure NPL and removal sites. Regulated facilities and Superfund and oil sites will be surveyed post storm fall
- Identify vulnerabilities at regulated facilities
- Address any immediate hazardous substance releases or oil spills resulting from the storm's impact
- Assist state and local agencies in ensuring safety of drinking water systems.
- Monitor air quality when/if necessary in response to conditions on the ground.
- Provide guidance for length of work day and deployments as it pertains to this specific event
- Coordinate logistics with deployed personnel to provide transportation options, lodging, security, ground transportation on site;
- Coordinate national resources to assist the Region;
- Identify clearly defined roles for both Regions and Headquarters;
- The response will use the Region's incident specific Data Management Plan (DMP);
- In collecting, sharing, and analyzing environmental data, EPA will give primacy to data with potential human health consequences;
- EPA will work to ensure that its decision-makers have access to the data and expertise they need to make decisions based on sound science.

DEBRIS RECOVERY

Puerto Rico Debris Mission

- EPA met DNER and EQB to discuss agencies needs and coordinate integration with

their established task forces (Geology, Facilities and Equipment, Logistics, Employee Needs, Legal, Generators, Waste and Debris Management, and Biology.

- EPA met with FEMA, USACE, EQB, SWMA, and private contractors to discuss establishment of 6 regional debris collection and processing centers. Contractors propose to separate and manage clean vegetative materials, mixed wastes, construction and debris, wet debris, and household hazardous waste. They are proposing to use thermal reduction system (box burners) in one of the centers and are requesting a waiver from EQB.

USVI Debris Mission.

- FEMA EOC in STX has requested that EPA take part in daily Debris Management meetings. EPA will advise on air monitoring and/or sampling protocols associated with the burning of debris. However, no decision has been made on whether there will be burn operations. FEMA STX has also indicated that EPA may be requested to assist with medical waste issues resulting from the re-establishment of medical facilities on STX and STT.

AIR MONITORING

Puerto Rico. EQB is planning to conduct an assessment on the conditions of the ambient air monitoring network. The network was taken offline prior to Hurricane Maria landfall. There is no update or information on the status or damages. They will staff an assessment team once their employees are able to return to the office.

EMERGENCY RESPONSE

Daily/Cumulative Summary of Hazard Evaluations/Recovery				
Status	Opened		Closed	
	9/27/2017	Cumulative	9/27/2017	Cumulative
Puerto Rico	0	0	0	0
U.S. Virgin Islands	0	2	0	2
Note: Open means that the target is yet to be recovered. Closed means the target was recovered, left in place, or access was denied to collect the item. The facilities on the USVI are associated with the request for mold assessment of the STT airport tower and the current oil spill at Total.				

Daily/Cumulative Summary of Spills/Discharges				
Status	Opened		Closed	
	9/27/2017	Cumulative	9/27/2017	Cumulative
Puerto Rico	0	3	0	3
U.S. Virgin Islands	0	1	0	1

SUPERFUND NPL, SUPERFUND REMOVAL, AND OIL REMOVAL SITES

There are a total of 23 Superfund/OPA Sites (20 in PR, 3 in USVI). The REOC and ERRD determined that Papelera, Vega Baja, Juncos, Vega Alta, and Upjohn be first priority. EPA personnel began assessments of the prioritized Sites 9/28.

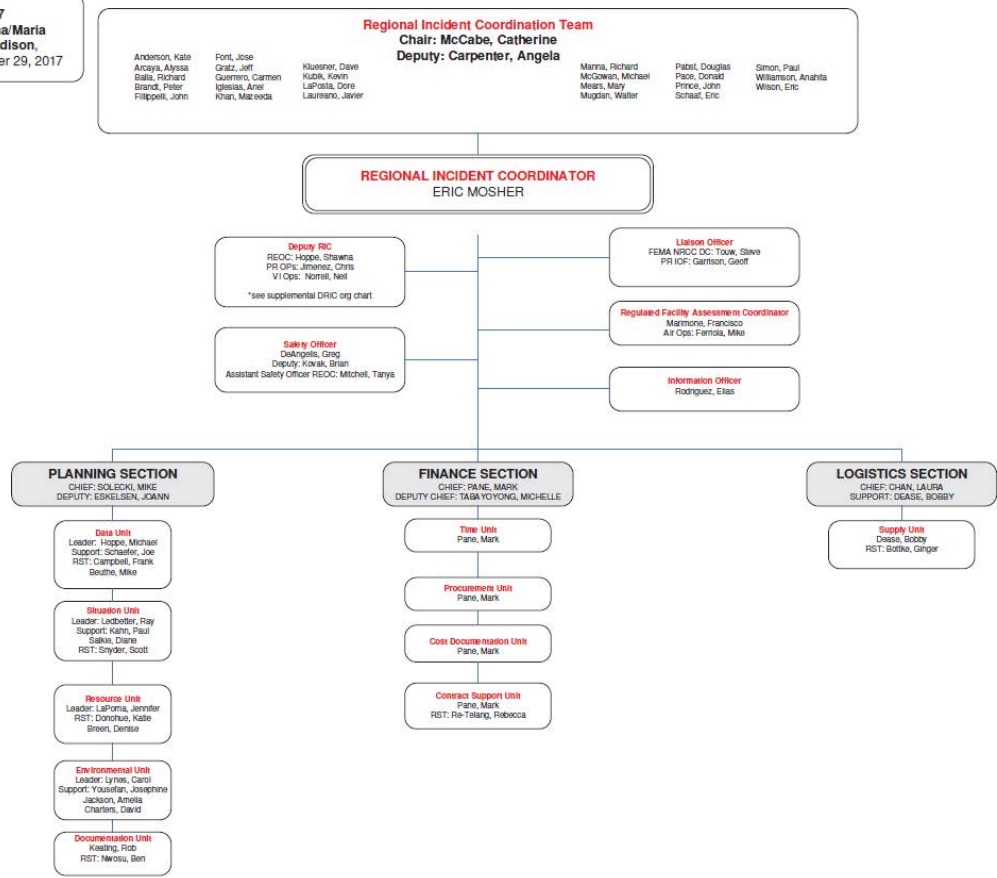
SUPERFUND SITES (NPL, Removal and Oil)						
Puerto Rico						
Site	Type	Phase 1	Phase 2		Phase 3	All Phases Completed
		Post-Storm Assessment	Site Inspection Needed	Inspected	Additional Response Action	
Atlantic Fleet Weapons	NPL					
Juncos Landfill	NPL					
Upjohn Facility	NPL					
Arecibo Battery Recycling Corp.	Removal & NPL*	09/22/2017	N	09/22/2017	N	09/22/2017
Corozal Battery	Removal & NPL*	09/24/2017	N	09/24/2017	N	09/24/2017
Cabo Rojo Groundwater	NPL					
Cidra Groundwater	NPL					
Dorado Groundwater	NPL					
Fibers Public Supply Wells	NPL					
Hormigas Groundwater	NPL					
Maunabo Urbano Public Wells	NPL					
Papelera Puertorriquena, Inc.	NPL					
Pesticide Warehouse 1	NPL					
Pesticide Warehouse III	NPL					
San German Groundwater	NPL					
Scorpio Recycling	NPL					
Vega Alta Public Supply Wells	NPL					
Vega Baja Solid Waste Disposal	NPL					
Guayanilla Bay Oil Spill	Oil Response					
Puma Caribe (CAPECO)	Oil Response	09/21/2017	N	09/25/2017	N	09/25/2017
U.S. VIRGIN ISLANDS						
TUTU Well Field	NPL	?				
Crum Bay Oil Spill at WAPA Facility	Oil Response					
Cruz Bay Oil Tank	Oil Response					

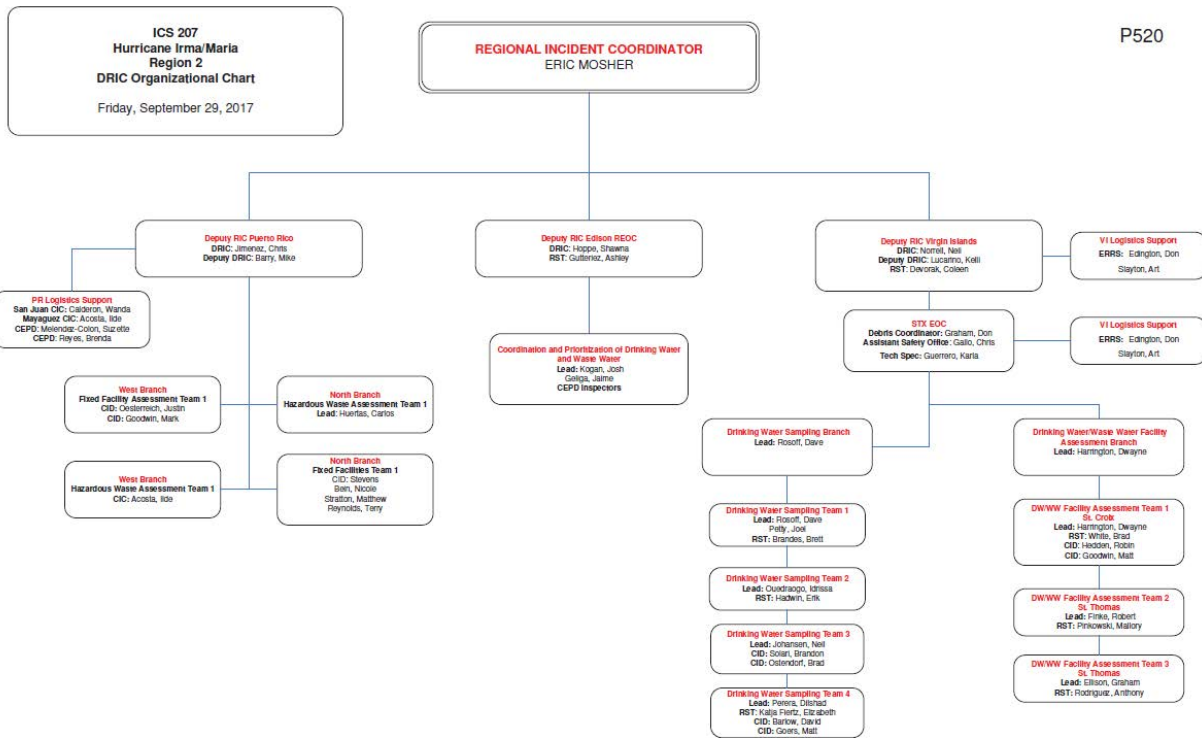
* These are Sites that have both, a Removal and Remedial program action. Only one assessment will be conducted per Site.

REGION 2 RESPONSE ORGANIZATION (ICS 207)

ICS 207
Hurricane Irma/Maria
Region 2 - Edison,
Friday, September 29, 2017

P52





FIELD RESPONSE ACTIVITIES

PUERTO RICO

- Assessment teams comprised of OSCs, technical assistance contractors, and public affairs personnel are preparing to re-deploy to Puerto Rico in accordance with our EPA Region 2 Mobilization and Resource Plan the target date to be on PR is 10/1.
- On 9/28 a meeting was held at the FEMA IOF/PREMA EOC to initiate planning and coordination relating to the Water & Waste Water response needs of PR. Present at the meeting were, PRASA, EPA, USACE, and FEMA. Main highlights discussed during the meeting:
 - PRASA, EPA, USACE and FEMA will share information about efforts/missions to prevent duplication of efforts and avoid gaps.
 - PRASA owns 35% of the island's public water systems, which serves 96% of the population. The other 65% water systems are Non-PRASA owned and serve 4% of the population.
 - PRASA has not been able to access all facilities to assess infrastructure damages, due to road blockages and communication challenges.
 - PRASA and EPA are coordinating waste water treatment plant visits and making assessments for damages and prioritization.
 - EPA is also aiding PRASA with several collapsed sanitary main sewer pipes and the necessary measures to be taken to comply with environmental regulations.
 - PRASA has contracted 5 Lead Contractors to also assess damages and provide

- cost estimate for temporary and permanent repairs.
 - PRASA's main challenge to provide potable water is to have a consistent diesel fuel supply to energize their pumping stations.
- Available CEPD Staff are coordinating with the response command structure to provide support in other assessments, such as chemical and oil facilities, NPL, and removal sites.
- An assessment was conducted of the Corozal Battery NPL site. The explosion at Techno Gas did not impact the Corozal NPL Site. The filtration system is off-line since the generator does not have fuel. EPA is arranging for the delivery of fuel. Drinking water not available until fuel is provided on 9/29.
- CEPD DW and WW section conducted assessments at 7 PRASA WWTP facilities. Additionally, an assessment was conducted at the Buckeye Partners facility in Yabucoa.
- EPA has received several requests for DW/WW analytical and assessment and sampling support from USACE, PRASA, and PRDOH. REOC and IOF staff are preparing supporting documentation to support the eventual Mission Assignment that will cover all of these requests.
- Assessment teams made up of OSCs, RPMs, technical assistance contractors, public affairs officers, and security personnel will be deploying to Puerto Rico on October 1 to both the San Juan and Mayaguez areas.
- Two OSCs are at the FEMA IOF in San Juan and two CICs based out of San Juan assisting with pre-deployment logistics and outreach.
- One CIC based in the west part of the island continues to communicate with Mayaguez OEM to determine perspective areas of assessment in the municipality.
- FEMA has moved its base of operations from IOF in Caguas to the 3rd floor of the Sheraton Convention Center in San Juan, near the Coast Guard base. The IOF and all other FEMA and PREMA ops will be located there as part of a joint operations center. EPA is staffing the ESF #10 desk daily.

U.S. VIRGIN ISLANDS

- The 18 personnel in Atlanta were placed on a flight to STX on 9/28 and arrived safely in STX.
- EPA is still working to procure a contract with Ocean Systems for sampling and lab analysis on STX, STT, and STJ. The Ocean Systems lab on STT is functioning under generator power. The Ocean Systems lab on STX is not operational due to lack of power, EPA has requested and is waiting for FEMA to provide a generator for this facility. Until a generator is secured for the STX lab, EPA will continue to analyze the collected water samples on STX utilizing a Colilert field test kit for the

presence/absence of bacteria.

- In addition to the above, EPA conducted the following activities:
 - EPA met with ESF 3 and ESF 12 to provide the Wastewater status report for the Territory.
 - EPA continues to coordinate with DPNR to develop and maintain the list of priority drinking water systems to be assessed and sampled in the Territory.
 - In coordination with DPNR, notify and conduct follow-up site visits/inspections of drinking water systems that tested positive for E. Coli. Ensure disinfection and/or other mitigation is taking place.
 - Conducted assessment and sampling at 17 drinking water systems
- At the request of the Deputy FCO EPA prepared a status and needs report on the USVI's Wastewater systems – all islands. This report was prepared based on discussions with key DPNR and VIWMA staff.
- In coordination with EPA, DPNR notified and conducted follow-up site visits/inspections of drinking water systems that tested positive for E. Coli on 9/25/17. Disinfection of the systems was conducted by the proprietor:
 - St. Croix Mutual Homes #36 and #44/45 – cistern being used was chlorinated
 - Louis E. Brown Apartments – Facility switched to WAPA water
- Results from 9/26/17 Drinking Water Sampling indicated the following drinking water systems were positive for E. Coli (all are cistern based systems at the moment):
 - Herbert Grigg Home IC (community system) – Currently being used as a shelter
 - Herbert Grigg Home LTC (community system) – currently being used as a shelter
 - St. Croix Educational Complex (non-transient/non-community system) - currently being used as a shelter
 - Lutheran Social Services Flamboyant Bldg. E (community system)
 - Lutheran Social Services Flamboyant Bldg. F (community system)
 - Lutheran Social Services Flamboyant Bldg. I (community system)
 - Lutheran Social Services Flamboyant Bldg. G (community system)
 - Lutheran Social Services Flamboyant Bldg. J (community system)

EPA is coordinating with DPNR to notify the proprietors of the affected systems and conduct disinfection of the systems.

- EPA collected drinking water samples from 12 public water systems on 9/27 including:
 - Aqua Mist (bottle water vendor)
 - Association of St. Croix (community system)
 - Fort Louise Augusta (community system)
 - Peter's Farm Condominium (community system)
 - Questa Verde, Bldg. D (community system)
 - Questa Verde, Bldg. F (community system)

- Questa Verde, Bldgs. M/N (community system)
 - Questa Verde, Bldg. K/L (community system)
 - Blue Mountain (bottle water vendor)
 - Rain Maker at Cost-U-Less (water vending machine)
 - Rain Maker at Seaside Market (water vending machine)
 - Divi Carina Bay Resort (non-transient/non-community system)
- EPA used Colilert to analyze these 12 samples with results due 9/29
- EPA in coordination with VIWMA contacted several of the waste water facilities on all three islands to determine the current status of the facility. The report will be used for prioritization for field assessments and providing critical resources to the facilities. Most of the facilities are currently running on generator power. Fuel is becoming an issue on the islands and the majority of the facilities on generator power may not be able to sustain operations due to lack of fuel.
- STX Waste Water
 - The main treatment station located at the airport is operating on primary power. No critical needs at this time.
 - 2 main feeders need a generator for power, 1 feeder has a generator
 - 3 lift stations are bypassing due to no power. All need a generator
- STT Waste Water
 - 4 pump stations are currently bypassing to residential streets due to no power. All need a generator.
 - 1 pump station is operating on generator power
 - 3 WWTP are currently operating on generator power
 - 1 WWTP is having issues with their clarifier
- STJ Waste Water
 - 3 facilities operating on generator power
 - 3 facilities not operational due to no power. All need a generator.
- Currently no commercial air traffic is allowed into or out of the USVI. This is making transport of personnel and equipment needed to support the missions assigned and requested of EPA challenging. Requests for transport of personnel and equipment have been made through the proper channels at the NRCC.
- Large quantities of Clorox are needed to disinfect the contaminated cisterns. Working this logistics issue through FEMA and U.S. Coast Guard for transport and delivery options.

REGION 2 REGIONAL EMERGENCY OPERATIONS CENTER (REOC)

- EPA personnel have conducted preliminary assessments at two Superfund and one Oil Response Sites. The REOC is working with the ERRD on prioritization of the

Sites. EPA personnel began assessments of the prioritized Sites 9/28.

EMERGENCY RESPONSE

Daily/Cumulative Summary of Hazard Evaluations/Recovery for Hurricane Maria				
Status	Opened		Closed	
	9/28/2017	Cumulative	9/28/2017	Cumulative
Puerto Rico	0	0	0	0
U.S. Virgin Islands	0	0	0	0
Note: Open means that the target is yet to be recovered. Closed means the target was recovered, left in place, or access was denied to collect the item.				

PUERTO RICO

	CONTAINERS			TOTAL
	Drums (55 Gals)	Large Containers (<55 gals)	Large Containers (>55 gals)	
9/28/2017	0	0	0	0
Total to Date	0	0	0	0

U.S. VIRGIN ISLANDS

	CONTAINERS			TOTAL
	Drums (55 Gals)	Large Containers (<55 gals)	Large Containers (>55 gals)	
9/28/2017	0	0	0	0
Total to Date	0	0	0	0

SPILL/RELEASE RESPONSE

Hotline Calls as of September 28, 2017

Number of Maria Related Calls Received During Reporting Period	1
Total Number of Maria Related Calls to Date	5
* EPA is assessing each call through the NRC to determine appropriate response and forwarding reports to field personnel to conduct further assessments and response as needed.	

- Discovered a downed transformer, not an uncommon sight in STX. However, this one was actively leaking. EPA and DPNR following up with the manager of the hotel Sand Castle on the Beach, 127 Smithfield in Fredericksted where the transformer was discovered.

AGENCY COORDINATION

Region 2 has one rep to staff the ESF-10 desk in the FEMA NRCC in Washington D.C. EPA has an OSC in the VITEMA/FEMA EOC bunker in St. Croix.

Environmental Response Management Application (ERMA). NOAA supports a ERMA viewer for both EPA Region 2 and the U.S Coast Guard. Aerial photos are available through the following link.

<https://erma.noaa.gov/caribbean/erma.html#/layers=3+36619+36620+36611+36618&x=-65.62791&y=18.14726&z=9&panel=layer>

U. S. Coast Guard Air/Flight Support. EPA Air/Flight Support will coordinate through USCG Seventh District Miami office resources unit for both Clearwater and Miami USCG air stations. Currently there is one flight/day to SJU from Miami. EPA is seeking an opportunity to move water and hazmat/oil teams into the U.S. Caribbean. EPA will submit requests for transportation as part of the ongoing queue.

DRINKING WATER / WASTEWATER

Puerto Rico

Drinking Water and Wastewater Assessments (September 28, 2017)		
Assessment Types	Daily Assessments	Total Assessments
On-Site DW Assessments	0	0
On-Site WW Assessments	0	0

U.S. Virgin Islands

Drinking Water and Wastewater Assessments (September 28, 2017)		
Assessment Types	Daily Assessments	Total Assessments
On-Site DW Assessments	8	19
On-Site WW Assessments	0	0

Puerto Rico Drinking Water Status:

CEPD and CWD have continued phone calling on the 300 non-PRASA drinking water facilities; however, as many of the facilities are remote, contact has yet to be made with a facility. Voice messages have been left.

CEPD began DW facility assessments on 9/27, with a plan to assess three DW facilities on 9/28.

PRASA has reported that 45% of their clients now have access to drinking water; 55% remain without water.

Puerto Rico Wastewater Status:

Most PRASA WW facilities are not operational, and some that are need more fuel to power generators.

CEPD began PRASA WW facility assessments on 9/26, with 4-6 facilities per day. CEPD expects to assess more facilities on 9/28.

USVI Drinking Water Status:

EPA SDWA order expires on 10/8/17. FEMA has selected tentative locations for the Reverse Osmosis (RO) units, but treatment has not started.

Per the VIWAPA website, the DW system is gaining additional storage on all three islands:

VIWAPA is building additional storage on all three islands slowly. St. John has four days of emergency storage, St. Thomas three days, and St. Croix three days.

The Concordia potable water pump station on St. Croix is on line. Overnight, the Kingshill tank should begin to build storage and the west end of the island should begin to receive potable water service.

USVI Wastewater Status:

Nothing to report.

REGULATED FACILITIES

Puerto Rico

Facility Type	Sites Identified	Pre-Storm Remote Assessment	Post Storm Remote Assessment	Post Storm Field Assessment	Follow-up Action Required
RMP	56	56*	44^	0	0
FRP	22	22*	10^	0	0

SPCC (non-FRP)	232 [#]	232 ^{#*}	4 [^]	0	0
Total	310 [#]	310 [#]	58 [^]	0	0
* Pre-Hurricane email requested facilities to self-identify any pre-existing compromised conditions (construction at process areas, tank maintenance, etc.). No facilities reported pre-existing compromised conditions.					
[^] Based on Post-Hurricane oil spill/chemical release/damage assessment email and phone calls.					
[#] There is no SPCC submission or de-registration requirement. This number reflects the number of known non-FRP SPCC facilities indicated as "active" in the Oil Database.					

U.S. Virgin Islands

Facility Type	Sites Identified	Pre-Storm Assessment	Post Storm Assessment	Post Storm Field Assessment	Follow-up Action Required
RMP	1	1 [*]	1 [^]	0	0
FRP	6	6 [*]	4 [^]	0	0
SPCC (non-FRP)	57 [#]	57 ^{#*}	1 [^]	0	0
Total	64 [#]	64 [#]	6 [^]	0	0
* Pre-Hurricane email requested facilities to self-identify any pre-existing compromised conditions (construction at process areas, tank maintenance, etc.). No facilities reported pre-existing compromised conditions.					
[^] Based on Post-Hurricane oil spill/chemical release/damage assessment email and phone calls.					
[#] There is no SPCC submission no de-registration requirement. This number reflects the number of known non-FRP SPCC facilities indicated as "active" in the Oil Database.					

The RFT is continuing efforts to directly contact significant RMP, FRP, and SPCC companies that have not yet responded to the post-storm assessment via email or by phone. Several significant RMP, FRP, and SPCC companies in PR and the USVI, such as Puma, PRASA, Total, and WAPA have preliminarily reported no damage to oil, chemical, or flammable operations.

The RFT, in coordination with the Regional Emergency Operations Center (REOC), continues to provide effective compliance assistance to facilities that experienced spills/releases, potential spills/releases, and lost containers. The RFT is providing compliance assistance to seven RMP, FRP, and/or SPCC facilities that have reported minor spills or releases (Buckeye Yabucoa, Cervecera de Puerto Rico, PREPA San Juan, PREPA Cambalache, PREPA distribution and transmission system, Puerto Rico Institute of Forensic Sciences, and Limetree Bay Holdings). Compliance assistance efforts are coordinated with the Regional Emergency Operations Center. Information obtained by the RFT regarding these spill/releases have been shared with Operations for upcoming on-site evaluation by field assessment teams. The RFT will remain in contact with these facilities until their spills/releases are resolved.

The RFT is assisting Operations and the Data Team by providing updated RMP, FRP, and SPCC targeting information for upcoming field assessments. Additionally, the RFT is using various EPA databases to provide regulatory history and other facility-specific information when requested.

The Regulated Facility Assessment Coordinator (RFAC) continues to coordinate damage assessment and field assessment referral information with other R2 inspection programs working in UST, Federal Facilities, RCRA, CAA, and NPDES. The UST program remains in touch with DPNR and EQB UST program managers, and continues to provide updates on gas stations in the USVI and PR. The Federal Facilities Coordinator has been following up with federal facilities in PR and the USVI, and is periodically updating the RFAC as appropriate.

EPA RESOURCES AS OF 9/28/2017

Personnel	EPA Edison, NJ NYC San Juan, PR^	FEMA NRCC, DC	Puerto Rico Deployments*	USVI Deployments*	Totals
EPA	69	1	21	18	109
START/ RST	12	0	1	6	19
ERRS	7	0	0	2	9
Other Contractors	0	0	0	0	0
Totals	88	1	22	26	137

^Number includes personnel in the REOC, RICT, and CEPD personnel that are working the response.

*Number includes personnel working at coordination centers and EPA Regional offices.

LONG RANGE PLANNING

- Hurricane Irma Recovery Update.** In terms of recovery Mission Assignments (MAs), Region 2 is working with FEMA on developing a short term (30 day) Recovery MA for Hurricanes Irma and Maria. Since the NDRF has not yet been activated, the first MA will be supported by the National Response Coordination Center (NRCC) authority to pre-stage RSF coordinators and partners for the initial data gathering and recovery planning work.

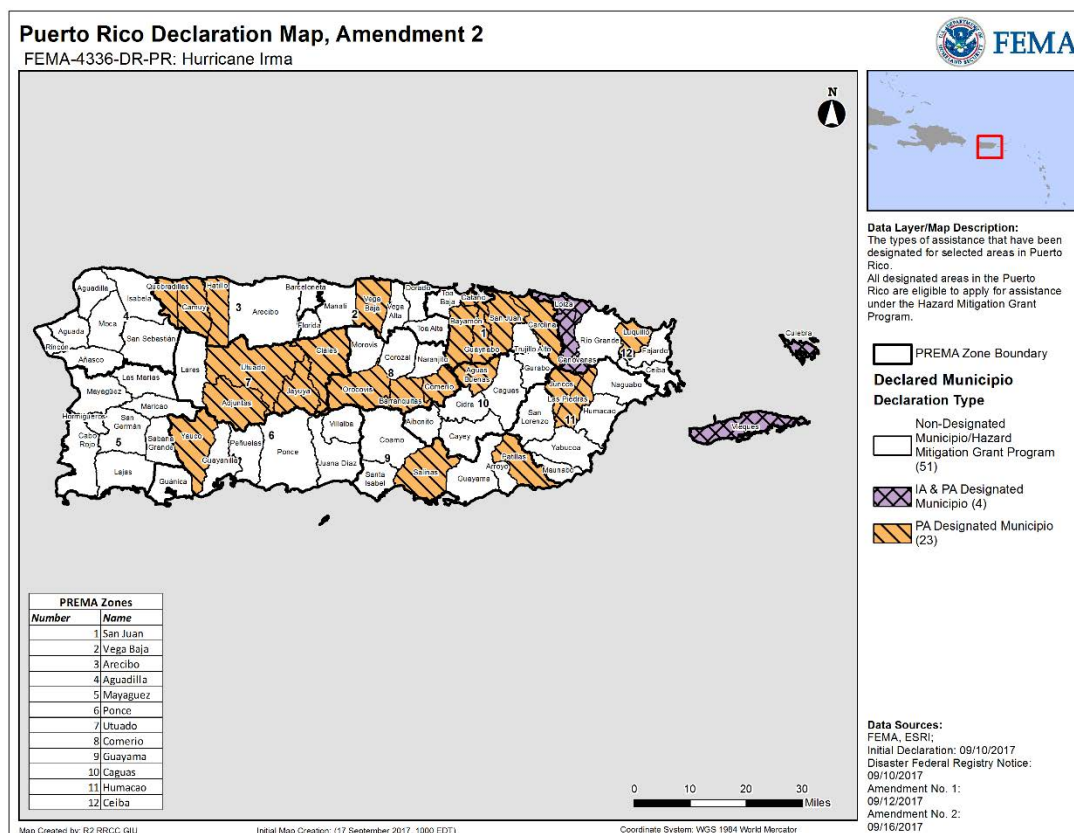
DECLARATIONS FOR HURRICANE IRMA

Puerto Rico.

Emergency Declaration FEMA-3384-EM effective September 5. Assistance is for all 78 municipalities in the Commonwealth of PR. The Governor of Puerto Rico requested a disaster declaration 9/8.

Disaster Declaration FEMA-4336-DR effective September 9. Declared areas only include Culebra and Vieques. On 9/13 ten additional municipalities in Puerto Rico were added to the major declaration, and are now eligible for work under any DFA MA's that we receive. The municipalities are: Adjuntas, Canovanas, Carolina, Guaynabo, Juncos, Loiza, Luquillo, Orocovis, Patillas, and Utuado.

On 9/15, fifteen additional municipalities were added to the major declaration and are now eligible for Public Assistance. The municipalities are: Aguas Buenas, Barranquitas, Bayamón, Camuy, Cataño, Ciales, Comerío, Hatillo, Jayuya, Las Piedras, Quebradillas, Salinas, San Juan, Vega Baja, and Yauco.

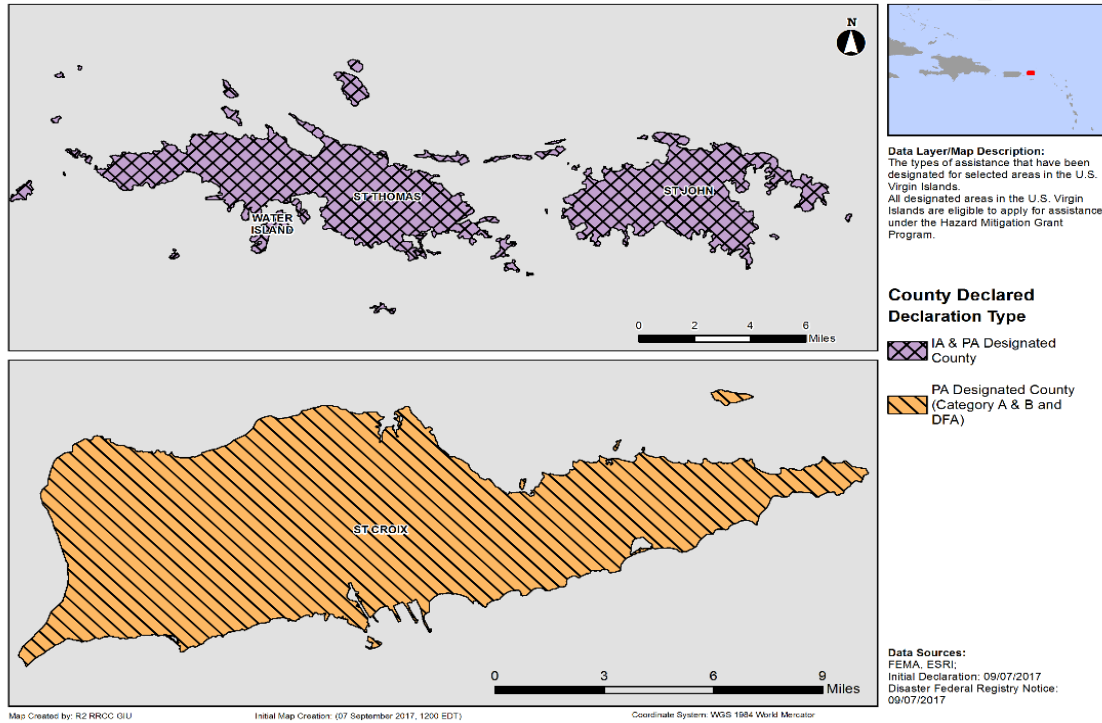


U.S. Virgin Islands.

Disaster Declaration FEMA-4335-DR effective September 7, 2017. St. Thomas and St. John approved for Individual Assistance, all islands eligible for Public Assistance and the Hazard Mitigation Grant Program.

Emergency Declaration FEMA-3383-EM effective September 5. Assistance is for all islands in the Territory of the USVI.

U.S. Virgin Islands Declaration Map (07 September 2017, 1200 EST)
DR-4335-USVI: Hurricane Irma



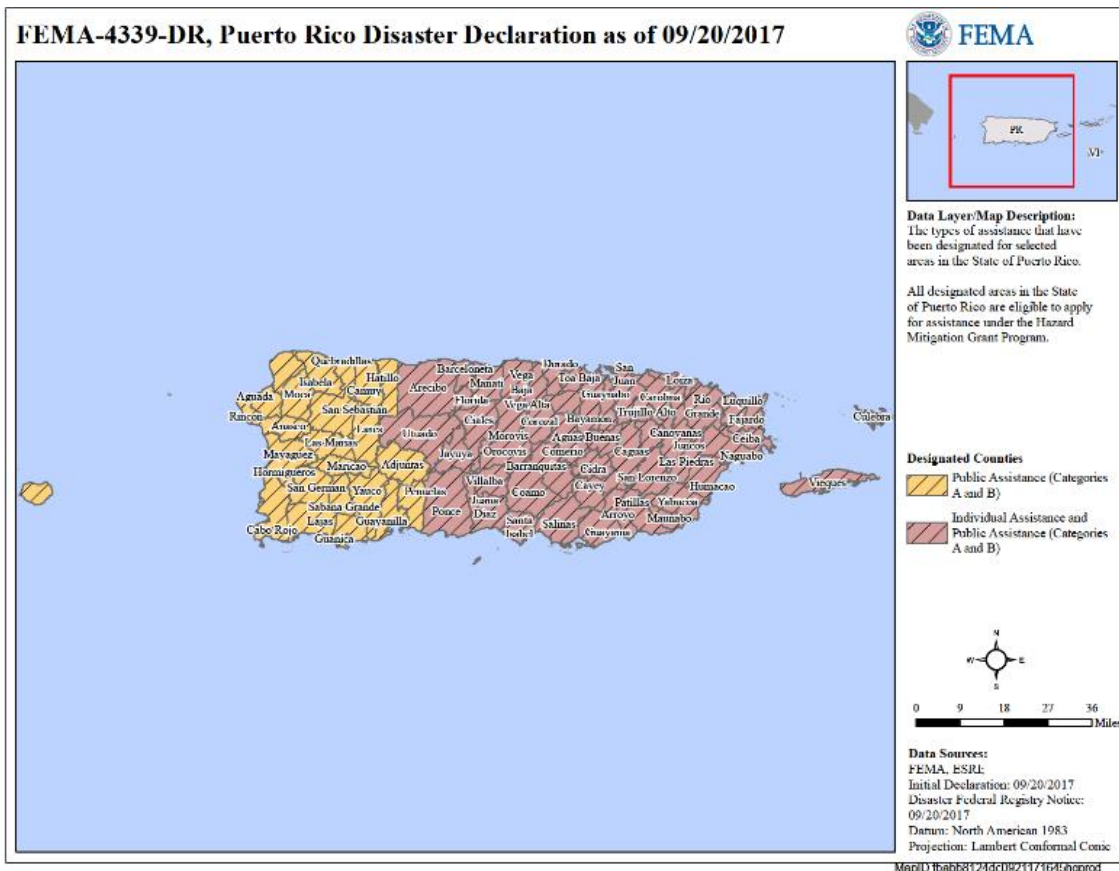
DECLARATIONS FOR HURRICANE MARIA

Puerto Rico.

Emergency Declaration. The President has signed Emergency Declaration FEMA-3391-EM for Puerto Rico.

On 9/20, The President has signed a Disaster Declaration FEMA-4339-DR for Puerto Rico.

The White House initial statement covers 54 municipalities. The municipalities included in the disaster declaration are: Aguas Buenas, Aibonito, Arecibo, Arroyo, Barceloneta, Barranquitas, Bayamón, Caguas, Canóvanas, Carolina, Cataño, Cayey, Ceiba, Ciales, Cidra, Coamo, Comerio, Corozal, Culebra, Dorado, Fajardo, Florida, Guayama, Guaynabo, Gurabo, Humacao, Jayuya, Juana Díaz, Juncos, Las Piedras, Loíza, Luquillo, Manati, Maunabo, Morovis, Naguabo, Naranjito, Orocovi, Patillas, Ponce, Rio Grande, Salinas, San Juan, San Lorenzo, Santa Isabel, Toa Baja, Toa Alta, Trujillo Alto, Utuado, Vega Alta, Vega Baja, Vieques, Villalba, Yabucoa.



U.S. Virgin Islands.

Emergency Declaration. The President has signed Emergency Declaration FEMA-3390-EM for the Territory of the U.S. Virgin Islands for Hurricane Maria.

On 9/20, The President has signed a Disaster Declaration FEMA-4340-DR for the Territory of the U.S. Virgin Islands for Hurricane Maria.

FUNDING FOR IRMA AND MARIA

Mission Assignment Number	Purpose	Start Date	End Date	Total Amount	Indirect Costs	Amt. Available	Daily Burn Rate	Used	Balance
4335DR-VI-EPA-01 (X06)	EPA to FEMA R2 RRCC (Colts Neck, NJ) and FEMA NRCC (Washington, DC)	09/07/17	10/07/17	\$100,000	\$10,466	\$89,534	\$1,500	\$42,860	\$46,674
4335DR-VI-EPA-06 (X12)	EPA to FEMA RRCC, JFO, EPA REOC, State EOC, PDA & NRA Teams and other	09/02/17	10/13/17	\$2,000,000	\$209,329	\$1,790,671	\$50,000	\$853,570	\$937,101

	coordination venues								
4336DR-PR-EPA-01 (X10)	EPA to FEMA RRCC. Funding for EPA command centers is authorized.	09/10/17	10/10/17	\$100,000	\$10,466	\$89,534	\$3,000	\$72,421	\$17,113
4336DR-PR-EPA-02 (X15)	Assess oil & hazmat releases, contaminated debris & other environmental events in PR	09/09/17	10/31/17	\$1,008,000	\$105,502	\$902,498	\$26,000	\$308,926	\$593,572
4335DR-VI-EPA-02 (X07)	Assess oil & hazmat releases, contaminated debris & other environmental events in VI	09/07/17	10/31/17	\$1,008,000	\$105,502	\$902,498	\$35,000	\$826,520	\$75,978
4335DR-VI-EPA-04 (X11)	Removal, cleanup and disposal of oil & hazmat; collect and dispose of HHW; monitor immediate threats to public H&S and the environment in the VI	09/13/17	10/13/17	\$10,000,000	\$1,046,646	\$8,953,354	\$0	\$17,159	\$8,936,195
VI-17090102-EPA-01 (X03)	EPA to FEMA R2 RRCC (Colts Neck, NJ)	09/02/17	09/11/17	\$10,000	\$1,046	\$8,954	\$0	\$8,954	\$0
PR-17090102-EPA-01 (X05)	EPA to FEMA R2 RRC and other coordination venues as necessary	09/01/17	09/11/17	\$20,000	\$2,093	\$17,907	\$0	\$17,907	\$0
3384EM-PR-EPA-01 (X04)	EPA to FEMA RRCC, JFO, EPA REOC, State EOC, PDA and NRA Teams and other coordination venues	09/06/17	09/16/17	\$75,000	\$7,850	\$67,150	\$0	\$64,800	\$2,350
DEOBLIGATED 3383EM-VI-EPA-01 (X08)	EPA to FEMA RRCC, JFO, EPA REOC, State EOC, PDA & NRA Teams and other coordination venues	09/07/17	09/16/17	\$75,000	\$7,850	\$0	\$0	\$0	\$0
DEOBLIGATED 3384EM-PR-EPA-03 (X09)	Assess oil & hazmat releases,	09/09/17	09/30/17	\$508,000	\$53,170	\$0	\$0	\$0	\$0

	contaminated debris & other environmental events in PR								
Grand Total						\$12,822,100	N/A	\$2,213,117	\$10,608,983

FUEL WAIVERS, ORDERS, AND NO ACTION ASSURANCES

- On September 26, 2017, EPA approved a request from Puerto Rico for an emergency fuel waiver. To minimize or prevent disruptions with the supply of diesel fuel for mobile nonroad generators and pumps used for emergency purposes, the EPA waived the diesel requirements through October 15, 2017, allowing the sale, distribution, and use of heating oil and marine fuel designated for use in Emission Control Areas (ECA marine fuel) that exceed the 15 parts per million (ppm) sulfur standard if the fuel meets certain conditions. The waiver includes a warning that the use of diesel fuel exceeding the 15 ppm sulfur standard in any engine equipped with exhaust after treatment emission controls (e.g., diesel particulate filter) may cause serious damage to the engine and its emissions control components. The waiver authority was exercised under the Clean Air Act and was granted by EPA in coordination with DOE. As required by law, EPA and DOE evaluated the situation and determined that granting a short-term waiver was consistent with the public interest. EPA and DOE are continuing to actively monitor the fuel supply situation as a result of Hurricanes Irma and Maria, and will act expeditiously if extreme and unusual supply circumstances exist in other areas. To mitigate any impacts on air quality, the Clean Air Act provides strict criteria for when fuels waivers may be granted, and requires that waivers be limited as much as possible in terms of their geographic scope and duration.
- On September 27, 2017, EPA HQ issued an amended No Action Assurance (NAA) concerning the importation, sale, donation or distribution of mobile power generators in Puerto Rico to increase the number of generators available for use during the recovery from the devastation of Hurricane Maria. The NAA notes, “Available information indicates extreme damage to Puerto Rico's power grid, including near-total destruction to power transmission infrastructure.” The NAA supersedes one issued by EPA on September 22 and covers two categories of mobile power generators. In summary, under Category A, the NAA allows the import and sale of mobile power generators that, while not legal for import and sale in Puerto Rico, satisfy air pollution emissions standards that are similar to current EPA standards. Under Category B, the NAA allows for the import and use of other mobile power generators that do not meet standards similar to current EPA standards, but only if, among other things, they are removed from service and not operated whatsoever in Puerto Rico after 3/31/18. The NAA contains other specific requirements and limitations.
- On September 27, 2017, EPA HQ also issued an essentially identical No Action Assurance concerning the importation, sale, donation or distribution of mobile power generators in the U.S. Virgin Islands.
- On September 23, 2017, EPA Region 2 issued an order to the Federal Emergency Management Authority (FEMA) and the Department of Defense (DOD) that provides

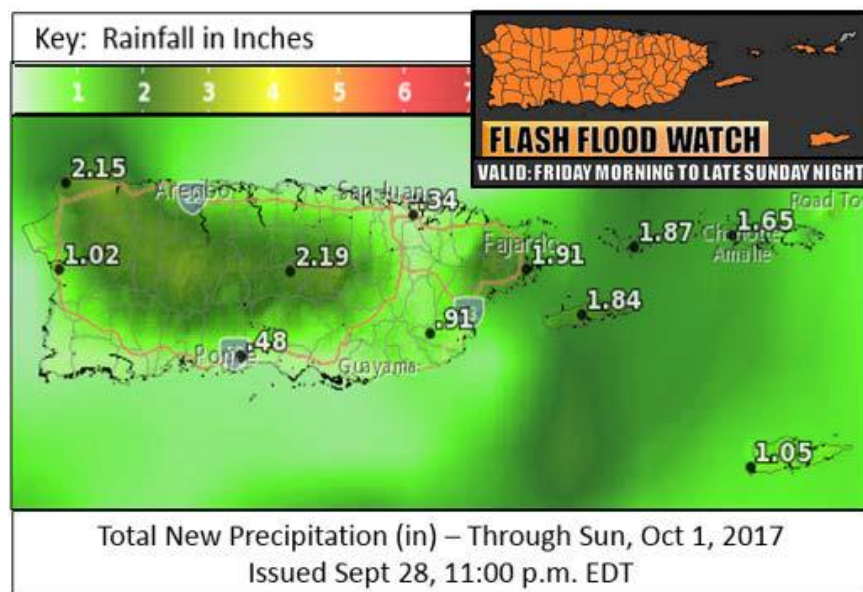
direction on supplying of clean drinking water in the U.S. Virgin Islands in response to impacts to the island's drinking water system from Hurricane Maria and Hurricane Irma. The order authorizes FEMA and DOD to install and operate temporary water treatment units to provide the public in the U.S. Virgin Islands with drinking water in areas where the existing public water system is not operational. The order establishes certain requirements relating to the use of the temporary systems. The authorization provided by the order extends only until October 8, 2017, unless the date is extended by EPA.

POSSIBLE UPCOMING LEGAL ACTIONS

- EPA Region 2 has received requests from two large quantity generators in Puerto Rico -- Johnson & Johnson and Lilly del Caribe, Inc. -- for a 30-day extension of the 90-day limit on the accumulation of hazardous waste on-site. Such an extension is permitted under EPA's RCRA regulations where necessary "due to unforeseen, temporary, and uncontrollable circumstances." The two companies have informed EPA that because of impacts from the hurricanes, it is currently not possible to make hazardous waste shipments out of Puerto Rico. Region 2 staff have been gathering more information from the companies. The Region may grant such a 30-day extension as early as September 30, 2017. It is possible that similar requests will be received from other companies.

ADDITIONAL THREATS TO THE U.S. CARIBBEAN.

- Deep tropical moisture is expected to bring numerous showers and thunderstorms to Puerto Rico and the U.S. Virgin Islands by this afternoon through Saturday night. The potential exists for cloud to ground lightning and heavy rainfall which may cause additional flash flooding especially for areas that remain saturated from recent heavy rainfall. Rainfall amounts of 2 to 4 inches will be possible.



FUTURE WEATHER OUTLOOK.

